

# **July 28, 2000 Policy Committee Meeting Consent Calendar**

**ATTACHMENT 1  
(Approval of Minutes from July 7, 2000 Meeting)**

**Policy Committee Meeting Minutes  
California Regional PM10/PM2.5 Air Quality Study  
Central California Ozone Study**

**July 7, 2000**

**1. Chairwoman's Opening Remarks**

The California Regional PM10/PM2.5 Air Quality Study and Central California Ozone Study (CRPAQS/CCOS) Policy Committee met in Sacramento at the offices of the California Air Resources Board (ARB). Supervisor Barbara Patrick welcomed everyone, reported that the kickoff event was quite successful and passed around photographs taken of key participants. An agenda (Appendix A) and a record of attendance (Appendix B) are attached.

**2. Approval of Consent Calendar**

The consent calendar included the minutes of the May 30, 2000 conference call, the May 2000 Study Agency financial reports, and CRPAQS and CCOS contracts for approval (Appendix C). Discussion clarified that all contracts, except for three low-dollar value ones (00-29CCOS, 00-30CCOS and 00-31CCOS), had retention clauses holding back funds until project completion. The consent calendar was approved unanimously.

**3. Report on Kickoff Event**

Ms. Cathy Reheis of the Western States Petroleum Association (WSPA) reported that the kickoff event was excellent. Participants presented a team effort and all the messages were consistent. Ms. Reheis has prepared a video compiling all of the media coverage and will show it at the next (non-conference call) meeting. Ms. Karen Magliano (ARB) distributed a packet of newsclips to be augmented with those collected by Ms. Reheis. Those who would like the newsclip packet should contact Ms. Reheis or Ms. Magliano. The print media coverage was especially broad-based and accurate. There was also television and radio coverage in the San Joaquin Valley, Sacramento, and the Bay Area. The firm of McGinnis and Williams will use the newsclip and video packet for distribution to congressional representatives who deal with appropriations. Some of the remaining awards will be saved for fund-raising visits to the congressional representatives who were unable to attend the kick-off event.

**4. Status of CCOS Funding**

Mr. Manuel Cunha, Jr., of the Nisei Farmer's League, reported on CCOS funding. Although it has been difficult to transfer U. S. Department of Agriculture (USDA) funds into CCOS, other agencies are still on track with appropriations listed in their respective budgets. Mr. Cunha anticipates \$4.5 million in funding from federal sources for the upcoming fiscal year. The fund-raising team has requested \$9 million spread over

two years. Mr. Cunha also reported that there were some difficulties in allocating the \$30,000 of SARMAP/PG&E funds, which the Policy Committee had approved for fund-raising purposes at its February 2000 meeting. Mr. Roger McCoy, representing the San Joaquin Valley Unified Air Pollution Control District (SJVUAPCD) and Mr. Phil Jay, also of the SJVUAPCD, will work with the Study Agency to assure that the monies are appropriately accounted for and earmarked for fund-raising. Mr. Peter Hess, representing the Bay Area Air Quality Management District (AQMD), reported that the District's fiscal year had begun and that another \$600,000 would be available for transfer to the Study Agency for CCOS.

## **5. Letter from Western United Dairymen**

This item was moved up on the agenda so that those who had to leave early could join the discussion. The letter from the Western United Dairymen (WUD) was included with the agenda and the meeting announcement mailed to the Policy Committee before the July 7 meeting. The letter, dated May 17, 2000, was addressed to the SJVUAPCD Governing Board and requested the appointment of a Dairy Advisory Committee to work with the Technical Committee to pinpoint specific research projects. WUD had tried to get \$2 million added to the ARB budget for research at a California state university. The SJVUAPCD Governing Board asked Supervisor Patrick to bring the letter to the attention of the Policy Committee. Mr. Cunha reported that in the interim since the letter was written, the WUD legislative initiative failed. In the future, if funding is obtained/contributed by WUD, they can coordinate with the Technical Committee through Mr. Roger Isom of the Cotton Ginners & Growers Association, the current agricultural representative on the Technical Committee, to develop RFPs (Request For Proposals) to address dairy emissions as they pertain to particulate matter and ozone. As with other RFPs, these would be reviewed by the Policy Committee. This would provide a way to coordinate the research directly with CRPAQS and CCOS.

Finally, Mr. Cunha mentioned that after July 18, the USDA Agricultural Air Quality Task Force would be releasing a report on confined livestock operations, and this report may include some mapping of existing facilities in the Study Area.

## **6. CCOS/CRPAQS Status Report**

### CCOS

Mr. Andrew Ranzieri, of the ARB, provided the overview of the update on CCOS which included the design, status of operations, forecasting, and concluded with a "movie" of preliminary modeling of an ozone episode. Dr. Saffet Tanrikulu, of the ARB, began with a summary of the Field Program (Appendix D.) The complete text of the Field Program is available on the website at [www.arb.ca.gov/airways/ccos/ccos.htm](http://www.arb.ca.gov/airways/ccos/ccos.htm).

Dr. Tanrikulu explained the rationale for where meteorological data would be collected. He also discussed the plan for the supplemental surface air monitoring which is to gather data to help evaluate model performance, assess what is transported, and

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identify *where high concentrations of ozone* occur. The ambient air monitoring network is supplemented by CRPAQS monitoring stations. Dr. Tanrikulu also explained that the aircraft used during the intensive monitoring episodes would be equipped with air canisters to sample VOCs and carbonyls at selected altitudes as well as record continuous measurements of O<sub>3</sub>, NO<sub>x</sub>, winds, humidity, and temperature.

Mr. Ranzieri continued with a review of operational readiness. All equipment should be fully deployed by the end of the second week in July. The only delay was in receiving some of the NO<sub>y</sub> monitors from the manufacturer and getting permits at two sites. Mr. Ranzieri also said that plans to acquire motor vehicle emissions data via remote sensing as part of CCOS will be available in several weeks. By the end of July, we expect that the remote sensing of motor vehicle emissions at selected sites should begin.

Mr. Ranzieri proceeded to show the "preliminary" 12 x 12 km modeling simulations of a recent ozone episode during June 13-16, 2000. (Appendix E covers Mr. Ranzieri's presentation, except for the computer simulation movies of the June 2000 episode.) The simulations were generated using the meteorological model MM5, without data assimilation. The gridded emission inventory was generated by EMS95 from the 1994 Ozone SIP forecast for the 1999 attainment year, which was updated to incorporate mobile source emissions from EMFAC2000. EPA's Models-3 air quality model was selected to simulate ozone concentrations. The episode affected the Bay Area and the southern part of the San Joaquin Valley where high concentrations of ozone were estimated and observed. The outputs of modeling simulations were used to produce a movie that animated the air movement, emissions, and ozone formation. The results from the preliminary modeling of the June 2000 episode are very encouraging. Estimates of peak ozone concentrations from the model were in general agreement with observational data acquired from the districts. Although the modeling results are encouraging, more detailed model performance evaluations and diagnostic testing must be done when all of the CCOS field data becomes available in the spring 2001 to ensure the model is working properly.

In addition, Mr. Ranzieri said that as CCOS field data becomes available and more refined modeling is carried out for the CCOS domain, faster high-speed computers will be required. The Technical Committee will prepare such a plan of computational needs and present it to the Policy Committee at a future meeting. The Policy Committee members agreed that the "movies" of simulated model outputs were a good way to explain the results from modeling simulations of meteorology, emissions, and air quality.

Finally, Mr. Ranzieri reviewed the future schedule and plans to test and apply air quality models for CCOS. The goal is to have refined and tested models up and running by spring 2001 so that SIP development simulations can be conducted during summer 2001.

## CRPAQS

Ms. Karen Magliano, of the ARB, reviewed the status of the particulate matter study (Appendix F). Ms. Magliano focused on the Fall Study Monitoring Period, set to begin around October 1, depending on this year's harvest schedule. The intensive sub-regional network of monitoring equipment around Corcoran has been laid out. It reflects measurements to be taken over a gradient from specific source locations through a larger inter-city region. Monitors are located in urban and non-urban settings. They are sited to detect emissions that could reflect differences between short-distance particle movement and longer-range particle suspension. Some monitors are portable and will be moved during the intensive period if initial data indicates that emissions are occurring in a different pattern than the initial monitor configuration. Operation of nephelometers in Fresno this past winter, as part of the annual field program, produced readings with very high correlation at the Supersite, a residential neighborhood site, and a site close to a freeway entrance. There were excursions or additional spikes at the freeway entrance, presumably reflecting additional mobile source emissions or vehicular disturbance of road dust (fugitive dust).

Ms. Magliano reported that additional funding from the Gas Research Institute will be used to enhance Dr. Kleeman's work, monitoring of size-fractionated and chemically speciated samples, to support model evaluation efforts. There were two expenditures of contingency funds for repairs and improvements at the Angiola Tower. Ms. Magliano also reviewed planned equipment purchases.

## **7. Next Meeting**

The next meeting will be a conference call on July 28 at 10:00 a.m. Details for a call-in number will be sent out beforehand. The following meeting will be "in-person" at the Air Resources Board offices on August 25 at 10 a.m.

## **APPENDIX A**

### **July 7, 2000 Policy Committee Meeting Agenda**

#### **California Regional PM10/PM2.5 Air Quality Study Central California Ozone Study Policy Committee Meeting**

**California Air Resources Board  
2020 L Street  
Sacramento, California**

**Fifth Floor Conference Room  
July 7, 2000  
10:00 a.m. – 12:00 p.m.**

<b>ITEM</b>	<b>DISCUSSION LEADER</b>	<b>TIME</b>
1. Chairwoman's Opening Remarks	Chairwoman Patrick	10:00 a.m.
2. Approval of Consent Calendar	Chairwoman Patrick	10:05 a.m.
3. Report on Kickoff Event	Cathy Reheis/ Karen Magliano	10:10 a.m.
4. Status of CCOS Funding	Manuel Cunha	10:20 a.m.
5. Ozone Study Status Report	Andrew Ranzieri	10:30 a.m.
6. PM Study Status Report	Karen Magliano	11:30 a.m.
7. Letter from Western United Dairymen	Chairwoman Patrick	11:45 a.m.
8. Next Meeting	Chairwoman Patrick	11:55 a.m.

## APPENDIX B

### July 7, 2000 Policy Committee Meeting Attendance List

Name	Organization	E-mail Address
Karen Magliano	Air Resources Board (ARB) - Staff	kmaglian@arb.ca.gov
Eugene Yang	ARB - Staff	eyang@arb.ca.gov
Vernon Hughes	ARB - Staff	vhughes@arb.ca.gov
Ajith Kaduwela	ARB - Staff	akaduwela@arb.ca.gov
Don McNerny	ARB - Staff	dmcnerny@arb.ca.gov
Jim Sweet	San Joaquin Valley Unified APCD (SJVUAPCD)	james.sweet@valleyair.org
Dave Jones	SJVUAPCD	dave.jones@valleyair.org
Les Clark	Independent Oil Users Agency	clark@iopa.org
Catherine Reheis	Western States Petroleum Association	cathy@wspa.org
John Martini	California Independent Producers Association	martini@cipa.org
Barbara Patrick	CARB/SJVAPCD	patrick@co.kern.ca.us
John Kennedy	Environmental Protection Agency	kennedy.john@epa.gov
Randy Scott	Edwards Air Force Base	randy.scott@edwards.af.mil
Peter Hess	Bay Area AQMD	phess@baaqmd.gov
Jack Lagarias	ARB - Emeritus	lagarias@ix.netcom.com
Sam Altshuler	Pacific Gas & Electric	SLA2@pge.com
Guido Franco	California Energy Commission	gfranco@energy.state.ca.us
Norm Covell	Sacramento Metro AQMD	ncovell@airquality.org
Saffet Tanrikulu	ARB - Staff	stanriku@arb.ca.gov
Bob Fletcher	ARB - Staff	rfletche@arb.ca.gov
Tina Suarez-Murias	ARB - Staff	csuarezm@arb.ca.gov
Kemal Gurer	ARB - Staff	kgurer@arb.ca.gov
(by phone) Roger McCoy	SJVUAPCD	roger.mccoy@valleyair.org
(by phone) Manuel Cunha, Jr.	Nisei Farmers League	nisei@lightspeed.net
(by phone) Phil Jay	SJVUAPCD	phil.jay@valleyair.org

## **APPENDIX C**

### **July 7, 2000 Policy Committee Meeting Consent Calendar**

1. Minutes of May 30, 2000 Policy Committee Meeting
2. Study Agency Financial Reports for May, 2000
3. Contracts for Approval



**Policy Committee Meeting Minutes  
California Regional PM10/PM2.5 Air Quality Study  
Central California Ozone Study**

**May 30, 2000**

**4. Chairwoman's Opening Remarks**

The California Regional PM10/PM2.5 Air Quality Study and Central California Ozone Study (CRPAQS/CCOS) Policy Committee met via conference call on May 30, 2000. Supervisor Barbara Patrick welcomed everyone to the call and expressed her excitement about the upcoming kickoff event. An agenda (Appendix A) and a record of attendance (Appendix B) are attached.

**5. Approval of Consent Calendar**

The consent calendar included the minutes of the May 4, 2000 meeting and CRPAQS and CCOS contracts for approval (Appendix C). The consent calendar was approved unanimously.

**6. Report on Planning for Kickoff Event**

Ms. Cathy Reheis of the Western States Petroleum Association (WSPA) provided a status report on planning efforts for the CRPAQS/CCOS field studies kickoff event scheduled for June 5 in Fresno. Ms. Reheis provided an overview of the luncheon program, which will begin at 11:30 a.m. Dr. Alan Lloyd, Chair of the California Air Resources Board (ARB), will act as Master of Ceremonies for the luncheon. After opening remarks by several individuals representing the public and private sectors of the study partnership, awards for study sponsors and the California congressional delegation will be distributed by Ms. Reheis, Manuel Cunha of the Nisei Farmers League, and Dave Crow of the San Joaquin Valley Air Pollution Control District. At 1:00 p.m., shared transportation will be provided to the press conference at the Chandler Downtown Airport. Several aircraft, a weather balloon, and the remotely piloted blimp will provide visuals for the press conference. Ms. Reheis also reported that a press kit and video b-roll has been prepared to distribute to the press.

**7. Status of Children's Health Study**

Ms. Helene Margolis of the ARB's Research Division reported on a new children's health study being conducted as part of the larger Vulnerable Populations Research Program. The "Fresno Asthmatic Children's Environment Study" (FACES) is a 5 ½ year, \$6.3 million program to: 1) determine the relationships between short-term particulate matter exposure and asthma attacks, and 2) determine the cumulative effects of acute responses. FACES will track the health and lung function of 450

children for four to five years in the Fresno area, which has a high prevalence of childhood asthma.

FACES is intended to leverage off the CRPAQS and Environmental Protection Agency Supersite programs in Fresno. These programs provide ambient data with the spatial and temporal resolution needed to understand children's health responses. FACES will also enhance the Supersite by monitoring for endotoxins. In addition, some in-home monitoring will be conducted as well as limited personal exposure sampling.

## **8. CCOS/CRPAQS Status Report**

### CCOS

Mr. Andrew Ranzieri of the ARB presented a status report on CCOS. Mr. Ranzieri reported that the contractors continue to work on site preparation for monitoring, conduct acceptance tests of new instruments, and deploy instruments into the field. Currently, all radar profilers that measure upper level winds and temperatures will be operational by the first week in June. All eight surface sites that measure surface winds and temperatures are operational. Contractors continue to finalize the sodar site locations in the Bay Area. Aircraft flight plans have been developed for the six CCOS aircraft, and an audit plan is being developed. The draft field operational plan has been sent to the Technical Committee for review. The plan will be finalized in June.

The forecasting team consisting of representatives from ARB, BAAQMD, Sacramento Metro AQMD, SJVUAPCD, and DRI have started dry runs for episodic forecasts. The daily forecasts started with a conference call on May 18 at 2 p.m. This forecasting group will continue to forecast episodes on weekdays and then daily when the Intensive Operating Period begins on July 5.

### CRPAQS

Ms. Karen Magliano of the ARB reported on the status of CRPAQS. Final plans for the fall and winter field programs are being prepared and that contracting has begun. Ms. Magliano noted that the planned fall and winter field programs will completely use up available funds.

Ms. Magliano next reported that the Technical Committee has been discussing additional monitoring needs to support PM modeling for the winter field program. The Policy Committee had previously approved a contract with Dr. Michael Kleeman of UC Davis to develop an improved PM modeling approach. Upon reviewing the field program plan, Dr. Kleeman suggested that additional PM size and speciation measurements would be very useful for model evaluation. However, as noted above, field program funding is limited. Ms. Magliano reported that the majority of the Technical Committee felt these measurements were important, therefore the Technical Committee recommended that \$135,000 in current contract funding be re-allocated to

collect PM size and speciation measurements this winter, with the understanding that equivalent funding will be restored to complete the original scope of the modeling project once future modeling funds are available. Ms. Magliano noted that there was concern however, by the SJVUAPCD, that this action could jeopardize the funding available for future modeling efforts. Upon discussion, the Policy Committee approved the re-allocation.

Ms. Magliano closed her presentation by noting an administrative item which required Policy Committee action. The Policy Committee had previously approved a contract with Capital Dataworks to conduct database management activities. At the time it was presented to the Policy Committee, funding was to be provided directly by ARB, as a partial holdback of their Study Agency contribution. However, due to a lengthy contracting process, ARB funds have already been passed on to the Study Agency. Therefore the contract will now be entered into with the Study Agency. The Policy Committee unanimously approved the change in funding source (Appendix D.)

## **7. Contracts for Approval**

Mr. Andrew Ranzieri of the ARB presented two CCOS contracts for Policy Committee approval. The first contract is with Lewis Potter for an amount of \$4,000 to assist the BAAQMD to design an air quality van, and the second with University of California at Davis for an amount of \$7,700 to acquire atmospheric turbulence measurements to evaluate the meteorological model for CCOS. Both contracts were approved by the Policy Committee (Appendix E.)

## **8. Funding for Dairy Research**

Mr. Mark Boese of the SJVUAPCD reported that a number of large, new dairies are being established in the San Joaquin Valley. In response to the need for better information to support the Environmental Impact Reports that are required, the Western United Dairymen (WUD) have proposed that a \$2 million research program be established. The WUD have approached the SJVUAPCD to have this funding administered under the auspices of the Policy Committee. The Policy Committee agreed to obtain additional information about this proposed program and discuss it at their next meeting.

## **9. Next Meeting**

The next meeting is scheduled for July 7 at 10:00 a.m. The meeting will be held at the Air Resources Board.

## **PM Study Fund**

### **Financial Recap**

**From Inception Through the Period Ending May 31, 2000**

#### **REVENUES:**

Contributions	\$ 17,551,079.26
Interest Allocated	2,005,745.93
EPA 105 interest payments	<u>(672,661.00)</u>
Total Revenues to Date	\$ 18,884,164.19

#### **EXPENDITURES:**

Contract Expenditures	\$ 8,516,972.13
Transfer funds to SJVUAPCD	48,471.49
Software license	9,681.35
Insurance	6,635.00
Other Expenditures	<u>472.49</u>
Total Expenditures to Date	\$ 8,582,232.46

Cash Balance at Month End	<u><u>\$ 10,301,931.73</u></u>
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## CCOS Fund Financial Recap From Inception Through the Period Ending May 31, 2000

### REVENUES:

Contributions *	\$4,355,508.20
Interest Allocated	<u>20,815.19</u>
Total Revenues to Date	\$4,376,323.39

### EXPENDITURES:

Contract Expenditures	<u>509,304.02</u>
Total Expenditures to Date	\$509,304.02

Cash Balance at Month End	<u><u>\$3,867,019.37</u></u>
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## Schedule of Contributors

Contributors	Amount
Bay Area Air Quality Management District	\$555,000.00
California Air Resources Board	\$2,250,000.00
County of Sacramento	\$100,000.00
San Joaquin Valley Unified Air Pollution Control District	\$750,000.00
San Luis Obispo County Air Pollution Control District	\$30,000.00
SARMAP - Closure of Fund	\$620,508.20
Western States Petroleum Association	50,000.00
Total Contributions	<u><u>\$4,355,508.20</u></u>

### \* RECAP OF CONTRIBUTIONS AUTHORIZED FOR FUND RAISING ACTIVITIES

Total Contributions	\$ 30,000.00
Total Fund Raising Expenditures	<u>\$ 25,779.00</u>
Contributions Available for Fund Raising Activities	<u><u>\$ 4,221.00</u></u>

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Attachment 1 (7-7-00 Meeting Minutes-Appendix C)

## **SARMAP Fund**

### **Financial Recap**

**From Inception Through the Period Ending May 31, 2000**

#### **REVENUES:**

Contributions	\$3,885,000.00
Interest Allocated	<u>430,793.70</u>
Total Revenues to Date	\$4,315,793.70

#### **EXPENDITURES:**

Contract Expenditures	3,333,951.60
Accounting Services	1,426.35
Computer Services	5,000.00
Transfers to SJVAQS	314,660.55
Transfers to CCOS	<u>620,508.20</u>
Total Expenditures to Date	\$4,275,546.70

<b>Cash Balance at Month End</b>	<u><u>\$40,247.00</u></u>
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## **Schedule of Contributors**

<b>Contributors</b>	<b>Amount</b>
EPRI	\$965,000.00
Pacific Gas & Electric Company	1,530,000.00
San Joaquin Valley Air Study Agency	1,290,000.00
Western States Petroleum Association	<u>100,000.00</u>
Total Contributions	<u><u>\$3,885,000.00</u></u>

**CRPAQS Contracts for Approval:**

- 1. Technical & Business Systems – Amendment 4 to Contract 99-3PM (\$200,000):** Provide funding for the operation of the satellite site component of the fall field program. The satellite site network will consist of 24 sites. All sites will be equipped with nephelometers and 10 will also have filter-based minivol samplers. The sites will operate daily between October 1 and November 6, 2000. The funding includes \$175,000 for operation of the network, and \$25,000 for contingencies.
- 2. ENSR Corporation – Amendment 7 to Contract 98-2PM (\$135,000):** Provide funding for the selection and set-up of monitoring sites for the fall field program. This will include one anchor site in Corcoran and 24 satellite sites. The funding includes \$110,000 for siting and \$25,000 for contingencies.
- 3. Parsons Engineering – Amendment 1 to Contract 99-12PM (\$164,240):** Provide funding for quality assurance activities for the fall and winter field programs. This will include system and performance audits at all anchor and satellite air quality monitoring sites, as well as system audits for the upper air meteorological sites.
- 4. Environ – Contract 2000-07PM (\$98,352):** Provide funding for the Phase I efforts to develop a draft ammonia inventory. The project will include preparation of a workplan, collection of emission factor and activity data, development of an ammonia emissions model, and production of an ammonia modeling inventory.

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**CCOS Contracts for Approval:**

<b>Contract Number</b>	<b>CONTRACTOR (and Purpose)</b>	<b>Initial Approvals</b>	<b>Split Funding</b>	<b>Planned for Future</b>	<b>Total</b>
00-1CCOS	NOAA-CO (profilers)	\$470,000	\$100,000		\$570,000
00-2CCOS	NOAA-ID (profilers and surface met)	122,801			122,801
00-3CCOS	STI (profilers)	260,000	165,000		425,000
00-4CCOS	T&B Systems (ozone sondes)	195,125			195,125
00-5CCOS	STI (aircraft)	383,150	100,000		483,150
00-6CCOS	UC Riverside (NOx, NH3, formaldehyde)	288,000			288,000
00-7CCOS	Biospheric Research (species verification study)	240,000	67,000		307,000
00-8CCOS	ENSR (Monitoring site set up)	232,000			232,000
00-9CCOS	DRI (Automated VOC measurements)	380,000	39,187		419,187
00-10CCOS	DRI (VOC canister analysis)	197,000	149,316		346,316
00-11CCOS	DRI (Field operations plus \$160,000 contingency)	532,000	140,000		672,000
00-12CCOS	T&B Systems (Field Operations)	47,451			47,451
00-13CCOS	UC Riverside (Operations)	62,916			62,916
00-14CCOS	UC Berkeley (Operations)	17,000			17,000
00-15CCOS	PG&E (Sodar and met station operations)	19,800			19,800
00-16CCOS	UC Extension (Biogenic Emissions)	40,000	40,000		80,000
00-17CCOS	TVA (Aircraft measurements)	153,437	100,000		253,437
00-18CCOS	AER (Plume modeling)	19,800			19,800
00-19CCOS	Parsons Eng. (Audits)	131,000	69,000		200,000
00-20CCOS	AtmAA (Carbonyl measurements)	100,000	218,850		318,850
00-21CCOS	DRI (Data validation)			160,000	160,000
00-22CCOS	UC Davis (Small District and Sacramento assistance)	40,000			40,000
00-23CCOS	TWIN OTTER (Aircraft)	57,488			57,488
00-24CCOS	STI (Area source emissions)	124,833	105,000		229,833
00-25CCOS	DRI (data management)			75,000	75,000
00-26CCOS	Envair (Retrospective SIP)			50,000	50,000
00-27CCOS	T&B (Bay Area Surface)	254,461			254,461
00-28CCOS	UC Riverside CE-CERT Source testing	38,511			38,511
00-29CCOS	Lewis Potter (Air Monitoring Van)	4,000			4,000
00-30CCOS	Elight Laser Systems GmbH (profiler)	11,000			11,000
00-31CCOS	U. C. Davis (turbulence)	7,700			7,700
Account	Equipment Purchase Account	1,287,000			1,287,000
Account	Media event	6,000			6,000
Transfer to ARB	ARB-MLD (QA support)	23,000			23,000
Transfer to PM	Traffic Counts via 2000-04PM, UCD	275,000			275,000
	<b>Study Agency CCOS TOTAL</b>	<b>\$6,020,473</b>	<b>\$1,293,353</b>	<b>\$285,000</b>	<b>\$7,598,826</b>
ARB Contract	UCD-DRI (aircraft) -ARB Direct Contract	\$426,154			\$426,154
	<b>CCOS TOTAL</b>	<b>\$6,446,627</b>	<b>\$1,293,353</b>	<b>\$285,000</b>	<b>\$8,024,980</b>

**The Policy Committee previously approved CCOS Contracts 1 through 20, 22 through 24, and 27 through 31, and accounts and transfers as shown in the table.**



**SPLIT FUNDED CONTRACTS: Recommendation for Approval of Amendments**

The Policy Committee released initial funding for Contracts CCOS 1, 3, 5, 7, 9, 10, 11, 16, 17, 19, 20, 24 and 27 with additional funding to be released for these contracts when contributions for the next fiscal year were received.

The Chair of the Technical Committee requested Policy Committee approval to authorize the additional funding for the specified contracts in the amounts as shown in the table in the "Split Funding" column.

**FUTURE CONTRACTS: Information only, not for consideration**

Contracts CCOS 21, 25 and 26 are scheduled for future consideration.

## **APPENDIX D**

**Dr. Tanrikulu's presentation on CCOS Field Program**  
(see attached documents via email "PC 7-7-00 Appendix D-1.pdf" and  
"PC 7-7-00 Appendix D-2.pdf")

## **APPENDIX E**

**Mr. Ranzieri's presentation on CCOS Program Status**  
(see attached document via email "PC 7-7-00 Appendix E.pdf")

## **APPENDIX F**

**Ms. Magliano's presentation on CRPAQS Status Report**  
(see attached document via email "PC 7-7-00 Appendix F.pdf")